



## The daily cardinal. Vol. IV, No. 26 October 11, 1894

[Madison, Wisconsin]: [s.n.], October 11, 1894

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## The Daily Cardinal.

UNIVERSITY OF WISCONSIN.

VOL. IV.—No 26.]

MADISON, WIS., THURSDAY, OCTOBER 11, 1894.

[PRICE THREE CENTS

## SENIORS AND SOPHOMORES

PLAYED A GAME AT RANDALL FIELD YESTERDAY.

WON BY THE SOPHOMORES, 18 TO 4.

Heavy Batting of the Sophomores.

The seniors and sophomores played a one-sided game at Randall Field yesterday afternoon, to decide which should have a chance to play in the baseball finals. As usual the invincible sophomores were victorious; this time by the score of 18 to 4.

The game started late, and it was nearly dark before the small band of sophomore rooters went home to rest. Each team was short a man, but a little before 4 o'clock the teams were filled out by the selection of Scott and Gregg. The nines were made up as follows:

Seniors	Sophomores
Whellihan	c. f. and p. Perkins
Lees	c Gregg
Urniss	1st b. Libby
Warner	2nd b. Brewer
Pierce	3d b. I. Fowle
Kummel	s. s. Butt
Scott	l. f. A. Fowle
Bohan	p. and c. f. Manson
Campbell	r. f. Hageman

Umpire Jackson called the game with the sophomores at bat. A happy combination, here, of a wild pitch, passed ball, two singles, a two base hit, and two more errors, netted the sophomores five runs and a winning lead. Then the seniors came to bat, but no more than three of their numbers had an opportunity to front Perkins.

The second inning was a mere breathing spell for the sophomores, for, in the third inning, three singles and two three-baggers kept the senior fielders busy tearing in every direction. This onslaught, coupled with the usual bunch of errors and fumbles, gave the sophomores seven tallies.

Solving Wheelihan's curves was like solving a problem in elementary arithmetic, and he was relieved by Bohan in the fourth.

In the next four innings the sophomores succeeded in adding but five scores to their list, making their final score 18.

By a magnificent spurt in the fourth inning, the seniors succeeded in crossing the plate. Campbell called the boys around him and, in his most impressive way, told them how the good old game was played way back in the eighties; how, if perchance, the dignitaries were behind, the crowd would surge in and help them out; and, of the time when home runs surcharged every bat.

Swayed by his earnestness and eloquence, Lees stepped up to the plate and made a two base hit, an act which was ease itself. His good example was followed by others in the good work until he scored, and the seniors had saved themselves from a shut-out.

The effect of Campbell's plea was

further shown by the fact that, during the next three innings, the seniors received as was the first.

The features of the game were the battery work of Perkins and Gregg, and the heavy batting of the sophomores. Perkins weakened perceptibly at the last, however.

A summary of the game is as follows:

Score—'97, 18; '95, 4.

Hits—Sophomores, 14, including 3 base hits by Brewer and I. Fowle, and 2 base hits by Butt and Gregg; seniors, 5, of which Lees secured a 3 base and a 2 base hit.

Base on balls—By Perkins, 5; by Wheelihan and Bohan, 6.

Struck out—By Perkins, 10; by Bohan, 2.

## LECTURE ON BOTANY.

Prof. Barnes began his lecture yesterday with the sixth order of the blue green algal the oscillaria. It is very common and is characterized by slippery cell walls. The reproductive process of these plants is purely vegetative. There are two methods. The filaments or colonies break into pieces that grow and form new plants. This is the most common. The other method is the formation of spores. These spores are cells that isolate themselves and take on a thick coat for unfavorable exigencies of frost or drought. In the spirogyra of the green algae we first find the cells not independent, some having special work. There is every gradation from the colony to the individual cell. Here also we find a deviation in color. The chloroplasts form ribbons or protoplasm that envelop the colorless part of the cell. The spirogyra grow in filaments which the action of the water makes parallel. These filaments throw out points from their cells that meet reciprocating points from cells of others and form channels from cell to cell. The substance of one cell passes into the other. This is the simplest sexual process in plant life. The cells are just alike and we cannot know from which one the substance will flow. Sometimes no conjugating tube meets the other and the cell then dies or forms a spore; these spores sink to the mud in winter and grow again in the spring. In the utothrix of the green algae, we find an advance, one cell lengthens at the base and forms anchor for the plant. It is the first differentiation in root and shoot. Some of the cells of this plant burst and send out filaments that drive the protoplasm about in the water until a new growth is begun. These germinate sexually, or otherwise. Sexual cells are called gemites, and these moving cells motile gametes. These cells owing to their great number are called swarm spores.

## SIGHT READING IN GREEK.

The elective in Greek sight-reading under Prof. Smith is already proving very popular. Over twelve students have entered the course, mainly sophomores and juniors. The work now in hand is the Hecuba of Euripides and the class meets Fridays at 12 o'clock in room 8 of University hall. Everyone interested in getting a better reading knowledge of Greek and in being taught how to read it should take this course without fail.

## IN THE LITERARY SOCIETIES

## PROGRAM OF THE NEW ENGINEERING SOCIETY.

## INCOME TAX IN ATHENA AND FORUM.

Single Tax in Hesperia—Women Suffrage in Philomathia.

## ATHENA:

1st Debate: Resolved that the prison contract labor system should be abolished.

2nd Debate: Resolved that an income tax with \$4,000 exemption is politic.

## HESPERIA:

Violin solo, Mr. Heyn.

1st Debate: Resolved that the government of the United States should subsidize her merchant marine.

2nd Debate: Resolved that the single tax be substituted for the present system of taxation.

## PHILOMATHIA:

1st Debate: Was the enfranchisement of the negro in 1870 politic.

2nd Debate: Should the right of suffrage be granted to women.

## FORUM:

1st Debate: Resolved that the present income tax is beneficial to the best interests of the country.

2nd Debate: Resolved that the A. P. A. movement is detrimental to the best interests of this country.

## COLUMBIAN LAW:

Debate: Resolved that the number of soldiers in the United States army ought to be increased to at least 50,000.

Immediately after recess, extempore speeches on assigned subjects.

## E. G. RYAN SOCIETY:

1st Debate: Resolved that the present financial panic is largely due to the democratic administration.

Music, Heim.

## U. W. ENGINEER'S CLUB.

## Five minute discussions:

1. Scientific American, M. C. Beebe.
2. Scientific American Supplement, L. Owen.
3. Power, L. D. Rowell.
4. Electrical World, L. R. Clauson.
5. Western Electrician, C. L. Froding.
6. Electrical Review, J. C. Schmidt.
7. Cassier's Magazine, P. F. Haloff.
8. Engineering Magazine, T. H. Ahara.
9. Street-Railway Review, I. H. Fowle.
10. American Machinist, O. Winger.
11. Electrician, H. W. Reilly.

'97 engineers intending to join the club should be present at this meeting.

## MINNESOTA'S FOOTBALL TEAM.

The University of Minnesota eleven promises to be even stronger this season than it was last year. The only new men on the team are Harrison and Chouinard, and they are said to be excellent men in their positions. The team is made up as follows: Center, Finlayson; guards, Harding and Larson; tackles, Walter and Dalrym-

ple; ends, William Dalrymple and Harrison; quarter-back, Chouinard; half-backs, Adams and Southworth; full-back, Cutler. The men have been training since the first week in September. Capt. Harding is strict with his men, requiring them to take a morning run of four or five miles and then get out at 4 in the afternoon and work till 6. The eleven and their substitutes mess together at the training table and are allowed to eat only the safest and most substantial food. They already show great development of muscle and endurance. The team is regarded as much the best the institution ever turned out. In weight it averages 171 pounds and in height 5 feet 11 1/3 inches. Capt. Harding claims, considering the work his men did last year, that the University of Minnesota stands at least fifth or sixth in the list of football teams of the country. He also asserts that his team is absolutely the best in the west. To make good the latter claim, however, the Minnesota boys must first defeat the Wisconsin university eleven. Last year the Minnesota team defeated Wisconsin, but the latter eleven was in a crippled condition at the time and would no doubt have made a much better showing under more favorable circumstances. The Madison boys have refused to play in Minneapolis this season and the prospects for a match are not bright at present. The Wisconsin team claims the right to play in Madison this season. The Minnesota eleven, through Manager O'Brien, has sent a challenge to the University of Pennsylvania. Should the Quakers decide to come west they will be royally received. The opening game for the Gophers will be played with Grinnell college next Saturday.—Evening Wisconsin.

## GEOLOGICAL EXCURSION.

Prof. Van Hise and class made an excursion to Dead Lake Heights yesterday afternoon. The professor explained that the formation of the heights was probably due to the deposition of submaraine material, on top of which was left a covering of tilt by the retreating glacier. The heights are perpendicular to the general trend of the glacier which was southwest. The boulders on the heights were brought by the ice from the Lake Superior region. Along the Illinois Central railroad the striations on the rocks and glacial depositions were studied as revealed in the road cuts. Going then to the University Heights the party took a view of the general lay of the surrounding country noting the general directions of the hills and valleys which are southwest and northeast. The bays and promontories of Lake Mendota have this direction also. The basins of the Madison lakes as well as those of the Great Lakes of the north were all scooped out by great glaciers.

## YESTERDAY'S FOOTBALL GAMES.

Yale was scored on yesterday for the third time in three years, by Williams. Score, Yale 23; Williams 4.

Pennsylvania defeated the Crescent Athletic club of Brooklyn at Philadelphia yesterday by a score of 22 to 0.

—E. B. Copeland, ex-'95, now at Stanford, plays right end on the Stanford Varsity eleven.

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the day before they are intended to appear.Address all matter intended for publication to  
the editor-in-chief. All business communications  
should be sent to the business manager.

Address,

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missing numbers.The board of editors of the Cardinal  
have elected the following reporters:  
E. H. Kronshage, '97, L. A. Goddard,  
'98, A. Barton, '96, A. G. Shong, '98,  
N. A. Wigdale, '97, F. B. Dorr, '97.  
The competition for the other places  
as reporters is still open and additional  
appointments will be made  
shortly.We learn from some of the universities  
that Minnesota does not seem  
very anxious for a game with anyone  
this fall. The good teams are having  
hard work to make satisfactory ar-  
rangements for games with Minnesota.  
This is not consistent with their claim  
that they have a stronger team than  
ever.Minnesota still keeps up her bluffing  
policy all along the line and in one of  
the Chicago papers yesterday an-  
nounced in an article on the Minnesota  
eleven that "no game would be ar-  
ranged with Wisconsin" as we had ex-  
pressed a desire to be let alone. This  
is the most flagrant kind of a false-  
hood and Minnesota knows well  
enough that we are not backing out  
nor have we ever expressed a desire to  
be let alone. We would be only too  
glad to meet Minnesota on the grid-  
iron this fall but think it only fair that  
she should play on our grounds this  
fall.The welfare of the University Co-  
operative association demands that all  
members should be present at the  
meeting which is to be held in Library

hall tomorrow afternoon at four o'clock. Now that the affair has got fairly under way and is just beginning to be able to accommodate the students, interest in it should not wane. That the society has made much progress during the past few weeks of this term cannot be denied; it is only to be hoped that the students will not allow a step backward in the future. General business considerations are to come before the association tomorrow and a new board of directors, consisting of a member from the sophomore, the junior and the senior class, one post-graduate, one from the law department, and three from the faculty, is to be elected for the ensuing year.

## COLLEGE ANNUALS.

The Binner Engraving company of Chicago has just issued a souvenir catalogue of college annual illustrations. Nine of the twenty-four cuts are taken from the '95 Badger, among which are the football team, the boathouse, the group of fraternity houses, the library and the university drive. This speaks very highly for the artistic work of '95's Badger and is also an advertisement for the university as a whole, since the catalogue will be sent to almost every college of importance in the country.

## FIELD DAY OFFICERS.

The following persons and committees will assist in the management of the field day exercises Saturday afternoon. Judges for the day—Dr. Elsom and Messrs. Lyman and Stickney; judge of walking—S. H. Cady; time-keepers—Messrs. Frank Stoltze, Jac. Van Etta and Will Conklin; starter—M. J. Gillen; clerk of the course—J. C. Karel; announcer—Fred Kull. Messrs. Henry and Jacob Fehr will assist on the track. Messrs. Will Bolton and T. P. Silverwood will preside at the main gate and programs will be distributed gratis under the direction of Henry Case.

## CONNECTICUT INTERSCHOLASTIC LEAGUE.

Under the auspices of the Yale Football association the Connecticut Interscholastic Football league has been organized. The members of the league are as follows: Hillhouse high school, New Haven; Hopkins grammar school, New Haven; Bridgeport high school, Hartford high school, New Britain high school, Taft's preparatory school of Watertown, Suffield academy and Norwich academy.

The Harvard library contains pictures of all its classes since 1752.

Electric lights are being put in throughout the gymnasium building.

Sophomore class in physical culture has been changed to 5 o'clock on Tuesdays and Thursdays.

Mr. F. W. Meisnest, '93, who took post-graduate work at the university last year, is now principal of the Boscobel high school.

President Angell of the University of Michigan addressed the meeting of the American Board of foreign missions this morning.

The U. W. Pantorum are now prepared to do first class work in cleaning and pressing clothes. Call and see them and get their prices at 434 State street.

Prof. Elsom has received those anthropometric charts of which the Cardinal spoke of a few days ago. Students that have been examined can have a chart filled out giving their exact measurements for only twenty-five cents. They can have their second measurement recorded on this chart without extra charge, thus enabling them to compare both measurements and see how much they have developed in every particular.

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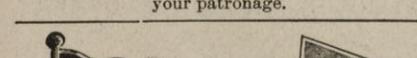
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**BATTLE BALL.**

The following is a description of the  
game of "battle ball" as introduced at  
Harvard by Dr. Sargent:

"Four courts are laid out side by side  
so that altogether they form one large  
court and the center lines of all the  
courts lie consecutively in one straight  
line. Separate games are played simulta-  
neously on all four courts, and all  
the points made by the teams on one  
side of the line are added to make the  
score of that side. Teams or single  
players on the same side of the center  
line may be shifted from one court to  
another so that the greatest strength  
may be concentrated on the weaker or  
more exposed positions. The positions  
of the players are determined by a  
captain and thus an element of team  
play and generalship enters into the  
game.

"A description of the game is given  
below as it is played on a single court.  
The rules in the four court game, so  
far as each court is concerned, are the  
same.

"The game is played with a leather-  
covered ball, nine inches in diameter  
and weighing about two pounds. On  
the back line of the court, on each  
side, six bowling-pins are placed as  
goal-posts, two in the middle and two  
a yard from each end. A line is  
marked in the center of the court and  
a string is stretched over the back line  
on each side, seven feet above the  
ground. The game is ordinarily played  
with five men on a side. Points are  
scored as follows: Putting the ball be-  
tween two pairs of the opponents' goal  
pins counts ten; knocking down a goal  
post five; forcing the ball back under  
the line three; a foul by stepping over  
the center line, two for the opponents;  
a foul by throwing the ball over the  
string at the rear of the court, one for  
the opponents."—Harvard Crimson.

**A NEW SCHEME.**

Some of the new ideas introduced  
by Dr. Clark, the new physical di-  
rector, are exciting very favorable com-  
ment. The introduction of the camera  
which will do away with the tedious  
system of measuring every portion of  
the anatomy, is welcomed by every student  
who underwent this process last year.

It is evidently not clear to all just  
what use of the camera is being made  
in connection with the physical exami-  
nations now in process. The idea is  
not new or original, though the outfit,  
while efficient, was gotten up with  
a view to economy. A light frame  
24x40 inches (inside measure) is strung  
across with small twine forming  
squares exactly one inch in diameter.  
The subject to be photographed stands,  
with at least the upper part of the  
body nude, at a convenient distance  
from the camera, while as close to him  
as possible and between him and the  
camera is suspended the screen of  
cord. Thus in the completed photo-

graph the figure appears plotted in  
inch squares. The lines show just how  
much lower one shoulder is than the  
other; just how much the spine deviates  
from a straight line; just how  
much the antero-posterior curve is ex-  
aggerated, and many other interesting  
points. There is no going back on a  
camera and many will not believe that  
their position is faulty until shown  
in this way.

By and by after a winter's work  
in the gymnasium—in many cases spe-  
cial work—photographs will again be  
taken and the improvement, if any is  
made, will be perfectly evident on com-  
parison with the first print.

The photographing does not dimin-  
ish the number of measurements taken.  
—The Nebraskan.

**PRIZE FOR MICHIGAN ATHLETES.**

The faculty of the University of  
Michigan have decided to offer a prize  
for general excellence in athletics. It  
is possible that two prizes will be of-  
fered—one for the men and one for the  
women. The prize will consist of a  
valuable trophy to become the per-  
sonal property of the winner. The ob-  
ject of this action is to show conclus-  
ively that the faculty is in favor of  
athletics, and to produce more good  
all around athletes.

**CO-OPERATIVE ASSOCIATION.**

The annual meeting of the co-ope-  
rative association will be held in Library  
hall tomorrow afternoon at 4 o'clock.  
At this meeting the officers and a  
board of directors for the coming year  
will be elected. A full attendance is  
desired.

**COLLEGE NEWS.**

—It is rumored that there is a move-  
ment on foot to form a football league  
consisting of Cornell, Lafayette, and  
the University of Pennsylvania.

—Seventy students have entered Le-  
land Stanford university with ad-  
vanced standing from other colleges,  
the University of Wisconsin being rep-  
resented by two.

—A California club has been organ-  
ized at Harvard by students from that  
state.

**CO-OPERATIVE ASSOCIATION:**  
The Co-operative association will meet  
Friday afternoon at 4 p. m., Library  
hall.

**THESES IN ECONOMICS:** Students  
who expect to write theses on  
Economic topics and under my direc-  
tion are requested to meet in the large  
lecture room Thursday, Law building,  
Saturday morning, Oct. 13, at nine  
o'clock.

W. A. Scott.

—Theodore Ableiter, '98, is on the  
sick list.

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## UNIVERSITY CALENDAR.

Friday, October 12.

Lecture on Roman literature, Prof. Hendrickson, Science hall, 4 p. m.

Co-operative association meeting Library hall, 4 p. m.

Athena and Hesperia meetings, University hall, 7 p. m.

Philomathia meeting, Science hall, 7 p. m.

Castalia and Laurea meetings, Ladies' hall, 7 p. m.

Columbian, Fourm and E. G. Ryan meetings, Law building, 7 p. m.

Saturday, October 13.

Fall Field Day, Randall Field, 2 p. m.

Sunday, October 14.

Y. W. and Y. M. C. A. meeting, Law building 3:30 p. m.

Monday, October 15.

Football game with Purdue at Lafayette, Ind.

Lecture on Economics, Prof. Scott, Law building, 4 p. m.

Tuesday, October 16.

Lecture on History, Prof. Haskins, Science hall, 4 p. m.

## ADDRESS BY PRESIDENT ADAMS.

President Adams delivered the following address at the meeting of the board of foreign missions yesterday:

"How many of the good people of the east know that with the colleges all full there is a freshman class at the University of Wisconsin of 375, and an entering class in Michigan of 450? Do they realize that the inhabitants of the five state forming the old Northwest Territory have more inhabitants by about three and a half millions than all New England and New York? Have they noted that the supreme court of the United State in a recent decision called attention to the fact that the arrivals and clearings of vessels at the port of Chicago exceed in number those of New York, and are equal to those of New York and Boston combined? I would be among the last to claim that all this is the result of that missionary spirit of which I spoke. But I do believe that the missionary spirit has elevated and chastened and inspired the progress that has everywhere been going on."

In conclusion Dr. Adams said

"It is to this happy region, Mr. President, that I am charged to give you the most hearty welcome. You have never before, I believe, held a meeting in one of the smaller cities of the northwest. We are proud of our city and are proud of having you here. For natural beauty Madison and the four lakes have been thought worthy the commemoration of Longfellow and of Sir Edwin Arnold. We have here a university, not the largest indeed in the northwest but one that for beauty of situation, for vigor of growth and for enthusiastic love of learning can hardly be excelled. The state has provided buildings for it that have cost not less than \$1,200,000. It has an even hundred professors and teachers, and will this year show an enrollment of more than 1,400 students. And I can imagine that you, sirs, if your duties permit you to drive through its grounds, extending a mile along the beautiful shores of Lake Mendota, when calling to mind the beauty of the hills about your own alma mater, and remembering the relations of the western institutions of learning to the eastern, may be tempted to quote the line of the Roman poet, and exclaim: 'O mater pulchra, filia pulchrior! But it is not so much to material

achievements and beauties and opportunities, as to the homes and hearts of the people that we bid you welcome. You will certainly find hearts in sympathy with your work, hearts appreciative at least of what Christian civilization has to give. It is not only to the achievements and possibilities of the northwest, not only to what seems to me the most like New England of the western states, and what the missionary spirit has accomplished, not only to the natural beauties of Madison, but also to the hospitality for which the frontier is always noted, that I bid you welcome. It is especially to our hearth-stones, and our hearts, that we bid you twice, and thrice welcome."

New York World: George Gray, full back on the Harvard football team, had a leg broken in a game on Saturday. The advocates of football as she is played point with pride to the fact that Gray saved the other leg.

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